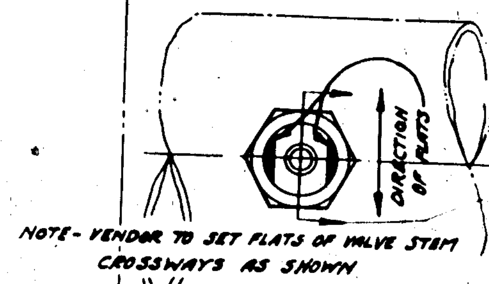
INCORPORATES
PBY-3 BUREAU CHANGE NO. 22

INCORP. BUR. AERO. CHANGE #58 PBY-5

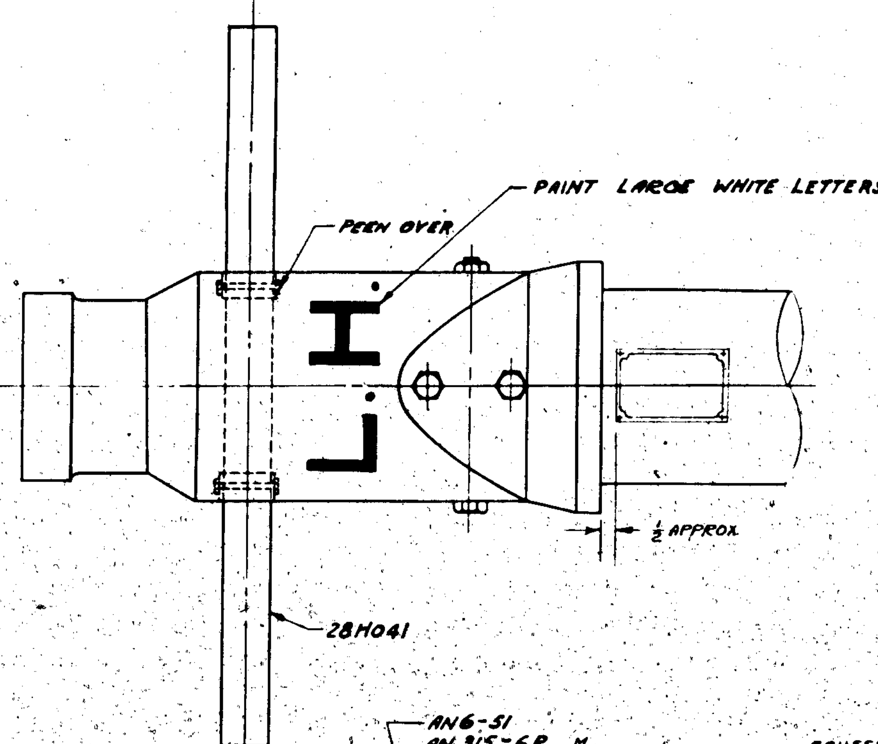
	LET	ALTERATION	DATE	BY
		SUPPLIES & EQUIPMENT CLASSIFICATION		
	J	TRACED	6-22-38	[illegible]
C.O. 7615C	K	ADDED -3 & -4 & DETAIL SHOWING INSTALLATION	[illegible]	[illegible]
	L	ADDED 28H005-11 TUBE (WITH RUBBER VALVE STEM) AND -5 ASSEM. FOR ALL FUTURE SHIPS & SPARES	1-6-39	[illegible]
	M	REMOVED ASSY. & DRILL NOTES	7-14-39	
[illegible]	N	REMOVED 28H1050-L & CHG. 28H1051 L&R TO L&R REQD. ADDED PBY-5 REQM'TS. AN520-8-8 SCREW WAS AN520-8-7	1-8-40	[illegible]
E.O. 10080	P	REMOVED [illegible] NOTE FROM FACE OF DWG.	[illegible]/40	[illegible]
	Q	ON FACE: BEACHING GEAR TIRES 8 PLY (11.00 x 12) WERE 6 PLY	8-7-41	[illegible]
E.O.A. 26160	R	ADD NOTE "DRILL--ETC.", 28H5521(1), & AN535-2-4(4). NEG. WT. CH.	7-17-42	[illegible]

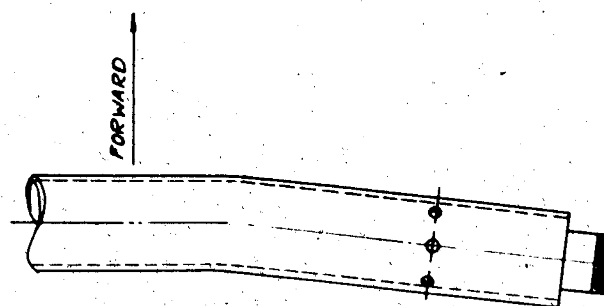
TIRE BEAD (REF.)
WHEEL CASTING (REF.)
INNER TUBE (REF.)
(3) WASHER - $2\frac{1}{2}$ O.D. x $\frac{1}{2}$ I.D. MAT'L. - $\frac{1}{16}$ THICK NEOPRENE SPEC. - COMM.
BLACK BOSTICK - APPLY A LIBERAL COAT ($\frac{1}{16}$ THICK) OVER THE NUT IN ORDER TO FILL THE TWO GAPS AT THE STEM FLATS IN NUT.
SCHRADER VALVE (REF.)
(4) SOFT ALUM. (2SO) WASHER $\frac{3}{4}$ O.D. x $\frac{1}{32}$ I.D. x .063 SPEC. 47A2, TEMPER "A"
NEOPRENE INSULATOR (REF.)
STAINLESS ST'L. VALVE ATTACH. PLATE (REF.)

DETAIL SHOWING METHOD OF SEALING VALVE OPENING ON SHIPS HAVING 28H005-8 TYPE OF TUBE.
SCALE 24"=1'0"
(K)



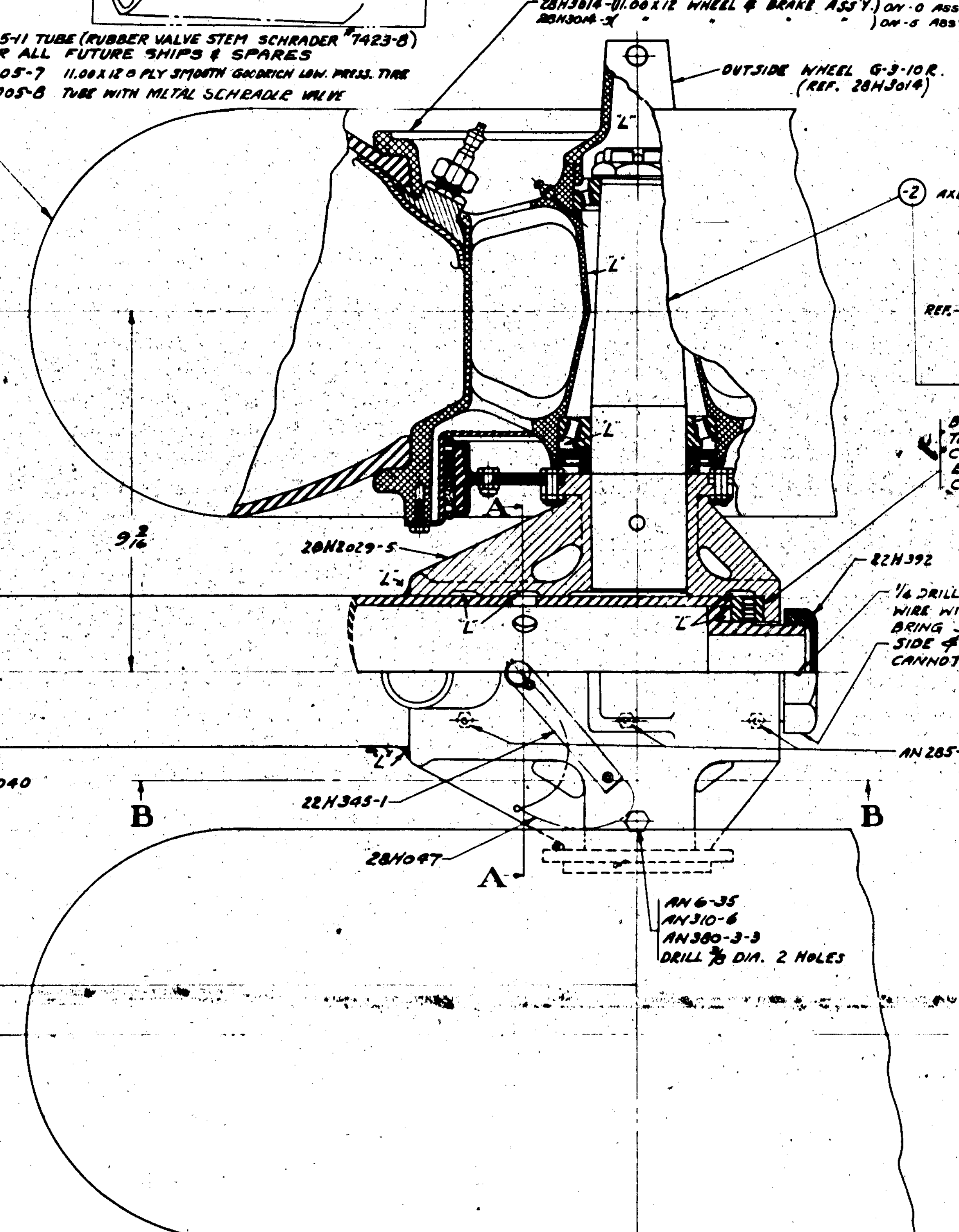
NOTE - VENDOR TO SET FLATS OF VALVE STEM CROSSWAYS AS SHOWN





VIEW B-B
QUARTER SIZE

NOTE:- RELATION OF STRUT OFFSET TO CASTING; AS SHOWN

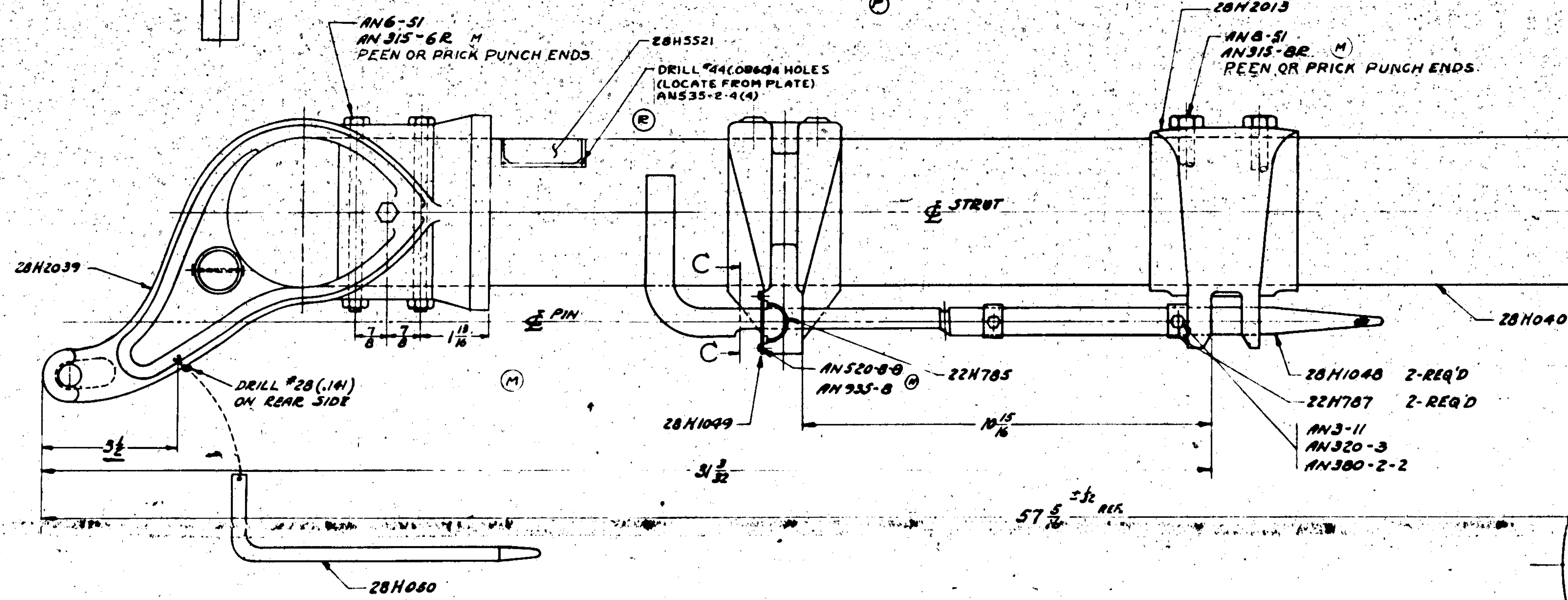


(2) AXLE ASSEMBLY AS PER - HAYES DWG. (B-1-30) / HAYES DWG. (B-1-7) / BENDIX DWG. (25993) - OR EQUIV.
FOLLOWING PARTS FURNISHED WITH AXLES.
REF. - AXLE TO CONFORM WITH AC SPEC. 25269
PLUG - END OF AXLE
CORK - SHELLAC IN PLACE
COLLAR - AC 36A15
NUT - AC 32A510-2
WASHER - AC 32A509-2
COTTER - AN380-5-10

(1) BALL & ROLLER BEAR. C3. EM-41 OR EQUIV. THE TWO BEARING RACES SHOULD BE CADMIUM PLATED (PLATING TO BE DONE EITHER BY VENDOR OR CONSOLIDATED AIRCRAFT CORP.)

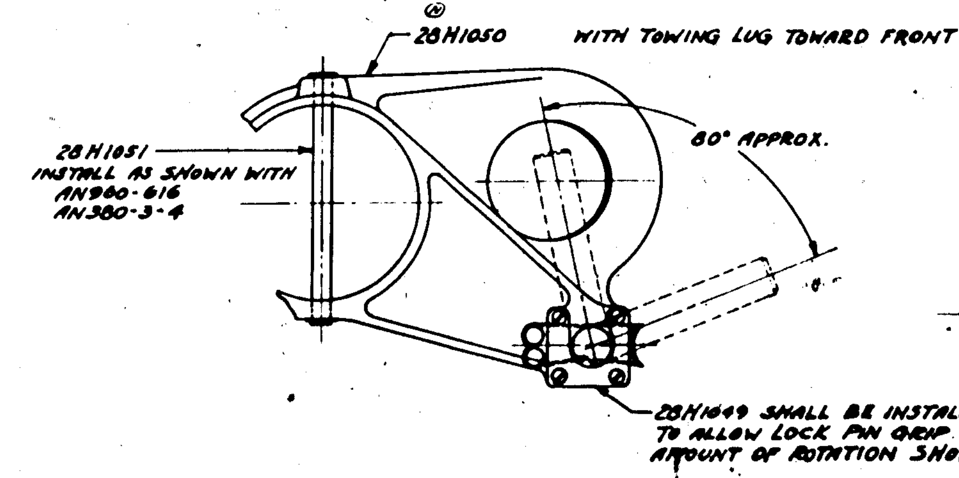
$\frac{1}{16}$ DRILL THRU. WIRE WITH AC995-72-12 BRING SAFETY WIRE AROUND SIDE & MAKE SURE THAT IT CANNOT SLIP OVER EDGE.

AN6-35
AN310-6
AN380-3-3
DRILL $\frac{1}{8}$ DIA. 2 HOLES

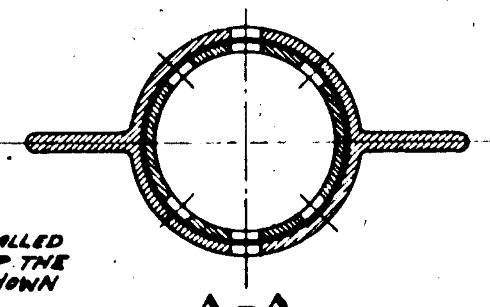


NOTE: SERVICE CHANGE #15 ISSUED BY BUREAU OF AERONAUTICS ADDS THE FOLLOWING (REF.) PARTS TO ALL PBY-5 HAYES G-10-79 WHEELS: D-47-14 PLATE, A-68-38 GASKET AND B-32-75 & 76 HUBCAPS REPLACING B-32-1 & -2 HUBCAPS

FINISH CODE	
Z	ANODIC TREATMENT
P	PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE



VIEW C-C
SCALE 6"=1'0"



A-A

LUBRICATION NOTE

AT ASSEMBLY & SERVICE OVERHAUL, FILL ALL SPACES MARKED "L" WITH LUBRICANT NO-1X-D GRADE A-SP. DEARBORN CHEM. CO., 205 E 42 ST. N.Y. N.Y. OR EQUIVALENT CORROSION PREVENTION PRODUCT OF HEAVY GREASE CONSISTENCY. AFTER ASSEMBLY PRESS IN MORE LUBRICANT (5 PLACES) WITH GUN, FILLING ALL POCKETS TO PREVENT THE ACCUMULATION OF WATER.

FINISH NOTE :- 2P-18L
PAINT LARGE WHITE LETTERS L.H. AS SHOWN
PAINT R.H. ON 28H3005-1
PAINT - CAP STEP - RED
PAINT - LUBRICATING FITTINGS - YELLOW
PIN ENDS FREE OF PAINT.

(L) TO BE USED FOR ALL FUTURE & SPARES

STD PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH	REQ. L	REQ. R
AN535-2-4	4	4					
			28H5521	1	1	1	1
BLACK BOSTICK							
			22H787	4	4	4	4
			22H785	2	2	2	2
			22H392	1	1	1	1
			22H345-1	1	1	1	1
LUBRICANT			28H3014-5			1	1
BEAR. EM-41	1	1	28H3014	1	1		
			28H2039	1	1	1	1
			28H2029-5	1	1	1	1
			28H2013	1	1	1	1
			28H1051	2	2	2	2
AC995-72-12	1	1	28H1050	1	1	1	1
AC960-616	2	2	28H1049	2	2	2	2
AN935-8	8	8	28H1048	2	2	2	2
AN520-8-8	4	4	28H050	1	1	1	1
AN380-3-4	2	2	28H047	1	1	1	1
AN380-3-3	2	2	28H041	1	1	1	1
AN380-2-2	4	4	28H040	1	1	1	1
AN320-3	4	4	28H005-10	1	1	1	1
AN315-8R	2	2	28H005-8	2	2		
AN315-6R	2	2	28H005-7	2	2	2	2
AN310-6	2	2	28H005-11			2	2
AN285-11	2	2					
AN8-51	2	2					
AN6-51	2	2	-4	2	2		
AN6-35	2	2	-3	2	2		
AN3-11	4	4	28H3005-2	2	2	2	2

O.N.	MODEL	NEXT ASSY.	REQ
-5R	[illegible]	28H1002	1
-5L	[illegible]	28H1002	1
-5R	[illegible]	28H1002	1
-5L	[illegible]	28H1002	1
-5R	PBY-5	28H1002-5	1
-5L	PBY-5	28H1002-5	1
-5R	PBY-3 & 4	28H1002	1
-5L	PBY-3 & 4	28H1002	1
-1	PBY-3 & 4	28H1002	1
	PBY-3 & 4	28H1002	1
-5R	PBY-5B	28H1002	1
-5L	PBY-5B	28H1002	1

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY. — -5

DRAWN: [illegible] 6-22-38 — J.B.J. — 690 ACT. WT. — SCALE $3\frac{3}{4}$"=1'0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
A C / NAVY			NOTED

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

NAME: BEACHING GEAR - FRONT ASSEMBLY - BRAKE TYPE

J — 28H3005 — OPP. HAND 28H3005-1

Note: Beaching Gear Not included in weight empty of Airplane.

H 450